

Serial No. 09/096,936

PROPOSED CLAIM AMENDMENT

1. (Currently Amended) An intelligent service network, comprising:
a programmable switch;
a switch controller coupled to said programmable switch, and including a service control means for interfacing with an intelligent service network component of said intelligent service network;
another programmable switch coupled to a public switched telephone network means for coupling to a calling device;
another switch controller, wherein each of said switch controllers couples to at least one of said programmable switches; and
one or more intelligent service network components, wherein each of said one or more intelligent service network components couples to at least one of said switch controllers,
wherein one of said switch controllers further comprises,
a programmable switch support means for providing an interface to said programmable switch,
a call control means for establishing a connection between ports on said programmable switch, and
a management interface means for providing an interface to external management systems.
2. (Canceled)
3. (Canceled)

Serial No. 09/096,936

4. (Previously Presented) The intelligent service network of ~~claim 3, wherein one of said switch controllers further comprises:~~ claim 1, wherein one of said switch controllers further comprises:
a resource control means for allocating resources.

5. (Canceled)

6. (Previously Presented) The intelligent service network of claim 1, wherein one of said programmable switches includes a digital exchange.

7. (Previously Presented) The intelligent service network of claim 1, wherein one of said intelligent service network components comprises one of an operator console, an automated response unit, a service switching control point, and a protocol converter.

8. (Previously Presented) The intelligent service network of claim 1, wherein one of said intelligent service network components comprises one of a means for accessing data, and a means for interfacing with a caller.

9. (Previously Presented) The intelligent service network of claim 1, wherein one of said intelligent service network components comprises one of a network information distribution system database coupled to said switch controller via a network information distribution system server, an applications database, a data distribution system database, and a mainframe database.

10. (Previously Presented) The intelligent service network of claim 1, further comprising:
a system management system coupled to one of said switch controllers.

Serial No. 09/096,936

11. (Previously Presented) The intelligent service network of claim 1, further comprising:
a force management system coupled to one of said switch controller.
12. (Previously Presented) The intelligent service network of claim 1, further comprising:
a configuration and provisioning system coupled to one of said switch controllers.
13. (Previously Presented) The intelligent service network of claim 1, further comprising:
another programmable switch coupled to one of said switch controllers.
- 14-18. (Canceled)
19. (Previously Presented) The intelligent service network of claim 1, further comprising:
one or more external networks and resources, wherein each one of said one or more external
networks and resources is coupled to at least one of said one or more intelligent service
network components.
- 20-22. (Canceled)
23. (Currently Amended) A method for setting up a call to an intelligent service network
component comprising the steps of:
(a) receiving by a switch controller from a programmable switch a first programmable switch
application programmer interface message to request service indicating an initial address
message was received from a public switched telephone network;

Serial No. 09/096,936

- (b) sending a second programmable switch application programmer interface message to command a programmable switch to send an address complete message to said public switched telephone network;
- (c) sending a transmission control message to the intelligent service network component;
- (d) receiving a transmission control response message from the intelligent service network component;
- (e) sending a third programmable switch application programmer interface message to said programmable switch requesting sending of an answer message to said public switched telephone network; and
- (f) sending a fourth programmable switch application programmer interface message to said programmable switch requesting connection of a circuit.

24. (Currently Amended) The method of claim 23, further comprising the following steps performed before ~~step (a) the step of receiving the first programmable switch application programmer interface message:~~

- receiving by an originating switch controller from an originating programmable switch a first originating programmable switch application programmer interface message to request service indicating an initial address message was received from a public switched telephone network;
- determining that said originating switch controller cannot select the intelligent service network component; and
- obtaining an intermachine trunk facility between said originating programmable switch and said programmable switch.

Serial No. 09/096,936

25-27. (Canceled)

28. (Previously Presented) A method for disconnecting a call established between a public switched telephone network and an intelligent service network component, comprising the steps of:

receiving by a switch controller a termination signal obtained from a calling device interconnected to the public switched telephone network indicating that the call is being terminated;

notifying the intelligent service network component that the established call is being terminated;

commanding by a switch controller a programmable switch to release the call;

commanding said programmable switch to park channels associated with an originating party and the intelligent service network component;

sending the intelligent service network component a call offered message indicating a reorigination request was received from the public switched telephone network; and

commanding said programmable switch to connect the originating party and the intelligent service network component;

wherein said termination signal is a reorigination signal.

29. (Canceled)

30-35. (Canceled)